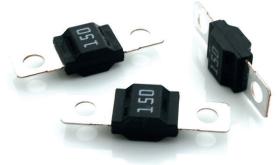
High Current Fuses





MIDI® Fuses



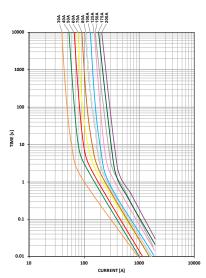
Clear MIDI® Fuses (clear nylon composite cover)

One Hole MIDI® Fuses

Time-Current Characteristics

% of Rating	Opening Time Min / Max (s)				
	30A-125A	150A-200A			
75	-/-	360,000 /∞			
100	360,000 /∞	-/-			
110	14,400 /∞	-/-			
150	90 / 3,600	-/-			
200	3 / 100	1 / 15			
300	0.3 / 3	-/-			
350	-/-	0.3 / 5			
500	0.1 / 1	-/-			
600	-/-	0.1 / 1			

Time-Current Characteristic Curves



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$\text{MIDI}^{\$},$ Clear $\text{MIDI}^{\$},$ and One Hole $\text{MIDI}^{\$}$ Style Bolt-down Fuse Rated 32V

This MIDI® style fuse offers a bolt-on space saving fuse for high current wiring protection and provides time delay characteristics with "Diffusion Pill Technology".

Specifications

Voltage Rating: 32 VDC

 $\begin{array}{ll} \mbox{Interrupting Rating:} & 2000 \mbox{\em @ 32 VDC} \\ \mbox{Recommended Environmental Temperature:} & -40 \mbox{\em °C to + 125 \mbox{\em °C}} \\ \mbox{Terminals Material:} & \mbox{Tin plated Copper} \\ \end{array}$

Black Housing Material: PA66-GF25 (U.L. 94 Flammability rating – V0)
Clear Housing Material: PA6/66 (U.L. 94 Flammability rating – HB)

 Mounting Torque M5:
 4.5 Nm +/- 1Nm

 Mounting Torque M6:
 6.0 Nm +/- 1Nm

 Refers to:
 ISO 8820-5:2015

Complies with: Standard UL 248-1 as a Special Purpose Fuses in UL file E71611 (40-100A) and Directive 2011/65/EU

RoHS

Ordering Information

Part Number	Rating	Package Size	Housing Color	Bolt Size	Bolt Hole	Mfg Location
0.400 M	20, 200		00.01		Qty	N.4i
0498xxx.M	30 - 200	1000	Black	M5	2	Mexico
0498xxx.M-CN	30 - 200	1000	Black	M5	2	China
0498xxx.H	30 - 200	100	Black	M5	2	Mexico
0498xxx.MXM6	30 - 200	1000	Black	M6	2	Mexico
0498xxx.MXM6-CN	30 - 200	1000	Black	M6	2	China
0498xxx.MX1M5	30 - 200	1000	Black	M5	1	Mexico
0498xxx.MX1M5-CN	30 - 200	1000	Black	M5	1	China
0498xxx.MX1M6	30 - 200	1000	Black	M6	1	Mexico
0498xxx.MX1M6-CN	30 - 200	1000	Black	M6	1	China
0498xxx.MXT	30 - 200	1000	Clear	M5	2	Mexico
0498xxx.MXT-CN	30 - 200	1000	Clear	M5	2	China
0498xxx.MXTM6	30 - 200	1000	Clear	M6	2	Mexico
0498xxx.MXTM6-CN	30 - 200	1000	Clear	M6	2	China

Materials manufactured in Asia are produced with the same specifications as materials manufactured in North America and meets the same test requirements. Multiple production locations are for capacity expanison only.

Ratings

Part Number	Current Rating (A)	Color Code	Test Cable size (mm2)	Typ. Voltage Drop (mV)	Typ. Cold Resistance (mΩ)	Typ. l²t (A²s)
04980302	30		2.5	65	2.06	4,200
0498040	40		4	65	1.40	10,000
0498050	50		6	65	1.02	13,000
0498060	60		6	68	0.87	21,700
0498070	70		10	70	0.72	24,000
0498080	80		10	58	0.54	24,600
0498100	100		16	60	0.46	51,300
04981252	125		25	71	0.39	73,200
04981501,2	150		25	77 4	0.32	81,900
04981751,2,3	175		25	77 ⁴	0.26	100,000
04982001,2	200		25	77 4	0.26	125,000

Note 1: Short Circuit Protector only

Note 2: Not UL Recognized

Note 3: Color Coding deviating from ISO standard

Note 4: Measured at 75% Ir

The typical I2t is an average value calculated from the breaking capacity tests by using the melting time before the arcing occurs.

Littelfuse® products are not designed for, and shall not be used for, any purpose (including, without limitation, automotive, military, aerospace, medical, life-saving, life-saving, life-sustaining or nuclear facility applications, devices intended for surgical implant into the body, or any other application in which the failure or lack of desired operation of the product may result in personal injury, death, or property damage) other than those expressly set forth in applicable Littelfuse® product documentation. Warranties granted by Littelfuse® shall not be liable for any claims or damages arising out of products used in applications not expressly intended by Littelfuse® as set forth in applicable Littelfuse® documentation. The sale and use of Littelfuse® products is subject to Littelfuse Terms and Conditions of Sale values attentions are applicable.

High Current Fuses

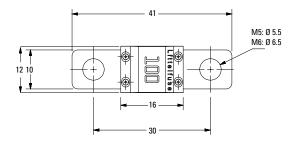


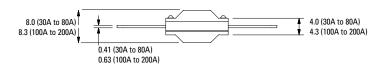
MIDI®, Clear MIDI®, and One Hole MIDI® Style Bolt-down Fuse Rated 32V

Dimensions

Dimensions in mm for reference only. See outline drawing for dimensions and tolerances.

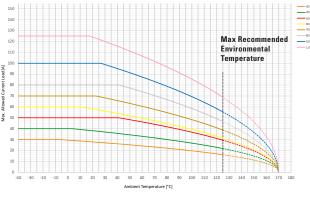
MIDI 2 Holes M5/M6 versions

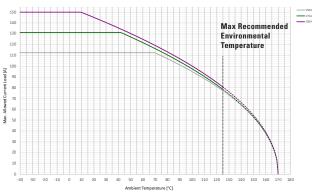




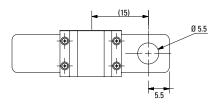
Typical Derating of Fuse Melting Element

Temperature Security Margin is 20% Wire Cross Section And Fixture Test Set Up Refer To ISO 8820-5 Please Contact Littelfuse® For Details Regarding Derating Test Set Up

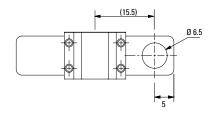




MIDI 1 Hole M5 versions



MIDI 1 Hole M6 versions



Temperature Table

	max. allowed current load [A] at ambient temperature (typical derating)							
	-20°C	0°C	20°C	65°C	85°C	110°C	125°C	
30A	30	30	28	24	22	18	16	
40A	40	40	38	32	29	25	22	
50A	50	50	50	45	41	34	29	
60A	60	60	58	48	43	36	31	
70A	70	70	70	59	53	45	39	
80A	80	80	80	72	65	54	47	
100A	100	100	100	85	77	64	55	
125A	125	125	124	104	94	79	69	
150A	113	113	113	113	104	88	77	
175A	131	131	131	119	107	90	79	
200A	150	150	145	122	110	93	81	

Derating curves may change depending on the final condition of the application (terminals characteristics, wire size etc..).
Please ask Littelfuse for more information.

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